



YEAR 5 AUTUMN TERM 1
MEDIUM TERM PLAN

MATHEMATICS

Multiplication, Division and Fractions

The children will:

- Identify multiples and factors
- Know and use the vocabulary of prime numbers
- Written multiplication including long multiplication
- Multiply and divide numbers mentally
- Written division including with remainders
- Multiply and divide whole numbers and decimals by 10, 100, 1000
- Recognise and use square and cube numbers
- Compare and order fractions
- Add and subtract fractions
- Identify, name and write equivalent fractions
- Recognise mixed numbers and improper fractions and convert one to the other
- Multiply proper fractions and mixed numbers by whole numbers
- Read and write decimals as fractions
- Recognise and use thousandths and relate them to tenths hundredths and decimal equivalents
- Round decimals with two decimal places
- Read write order and compare numbers with up to three decimal places
- Recognise the per cent symbol
- Understand per cent
- Write percentages as a fraction and as a decimal

Basic Skills

The children will:

Complete basic skills that relate to all the above

MATHEMATICS - CONTINUOUS SKILLS

The children will:

- Solve number & practical problems that relate to Autumn 1 and use rounding to check answers
- Solve +/- multistep problems in contexts, deciding which operations to use and why
- Solve problems involving number up to 3 dec. places
- Solve problems involving \times/\div including using knowledge of factors, multiples, squares & cubes
- Solve problems involving $+/-\times/\div$
- Solve problems involving \times/\div , including scaling by simple fractions and problems involving simple rates
- Solve problems which require knowing % & decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $1/5$, $2/5$, $4/5$ & those fractions with a denominator of a multiple of 10 or 25

ENGLISH

Legends

The children will:

- Read and make comparisons between different versions of the same legend
- Retell a legend orally
- Identify different features of legends
- Discuss and investigate the effect of different techniques used by the author
- Explore and empathise with characters through drama activities
- Write a new version of a legend, identifying their audience and adapting their writing to suit this audience
- Reflect critically on writing and edit and improve it
- Plan, draft, edit and review

SPELLING

Revision of Year 3 and Year 4
Endings cious or -tious

ENGLISH

Poetry - Poetic Style, Free Verse

The children will:

- Hear, read, and respond to a range of poems in a variety of ways from two contrasting writers
- Identify and display the features of free verse poetry
- Explore some of the many elements and features of these poems which constitute the writer's distinctive style, including language effects, pattern and form, subjects, themes and meaning
- Practice writing a similar free verse poem to a common subject or theme to allow ongoing comparisons, discussion and evaluation
- Write their own free verse poems, inspired by those they have read, and borrowing, melding and adapting elements and features from these in order to begin to develop a style of their own
- Plan, draft, edit, improve and review their writing

GRAMMAR AND PUNCTUATION

Ongoing

Sentence

- Relative clauses beginning with who, which, where, when, whose that, or an omitted relative pronoun
- Indicating degrees of possibility using adverbs (perhaps, surely) or modal verbs (might, should, will, must)

Text

- Devices to build cohesion within a paragraph (then, after that, this, firstly)
- Linking ideas across paragraphs using adverbials of time (later) place (nearby) and number (secondly) or tense choices (he had seen her before)

Punctuation

- Brackets, dashes, commas to indicate parenthesis
- Use of commas to clarify meaning or avoid ambiguity

**FOUNDATION
SUBJECTS**

RE COME AND SEE

Baptism/Confirmation - Belonging, Life Choices - Marriage, commitment and service

Other Faith Week - Judaism

Advent/Christmas - Loving, Hope - waiting in joyful hope for Jesus; the promised one

PE

Swimming

The children will be taught by swimming instructors to:

swim competently, confidently and proficiently over a distance of at least 25 metres

use a range of strokes effectively such as front crawl, backstroke and breaststroke
perform safe self-rescue in different water-based situations

MUSIC

Classroom Jazz 1

The children will:

Learn to sing songs from memory

Improvise and perform using their voices

Evaluate their voices and their singing

Play instrumental parts within songs

Improvise, compose and perform using instruments

Evaluate their composing and performance

SCIENCE

Forces

The children will:

Explain that unsupported objects fall towards Earth because of the force of gravity

Identify the effects of air & water resistance and friction

Understand that force and motion can be transferred through devices such as gears, pulleys & levers

Working Scientifically:

The children will:

Plan different types of enquiry to answer questions

Control variables where necessary

Measure with increasing accuracy and precision using a range of equipment

Record data and results of increasing complexity using scientific diagrams, labels, keys, tables and graphs

Use test results to make predictions and set up further tests

Report & present findings, including conclusions & explanations in results

Identify scientific evidence used to support or refute ideas or arguments

COMPUTING

Coding Starter

The children will:

Combine start & click events to make a simple game

Program an object to change direction; move another object; sequence of actions & make simple animation

Use conditional 'if'/'if hit' statements & variables to keep track of the score

Use a loop to make space animation

DT

Structures

The children will:

Understand what structures are and how to make them stronger, stiffer and more stable

Experience measuring, marking out, cutting, joining, shaping and finishing techniques

Generate ideas and designs focusing on the needs of the user and using annotated sketches to develop, model and communicate ideas.

Order the stages of making; select and use appropriate tools and finishing techniques.

Investigate and analyse a range of existing frame structures

Evaluate their ideas and products.

GEOGRAPHY

&

ART

Autumn 1

HISTORY

How do we use ancient Greek ideas today?

The children will:

Identify many English words have Greek origins

Investigate similarities/differences between the Greek and our alphabet; our schools and ancient Greek schools

Find out about Greek architecture & its influence on our buildings; how Greek scholars have contributed to our understanding of the world

Compare ancient and modern Olympics